

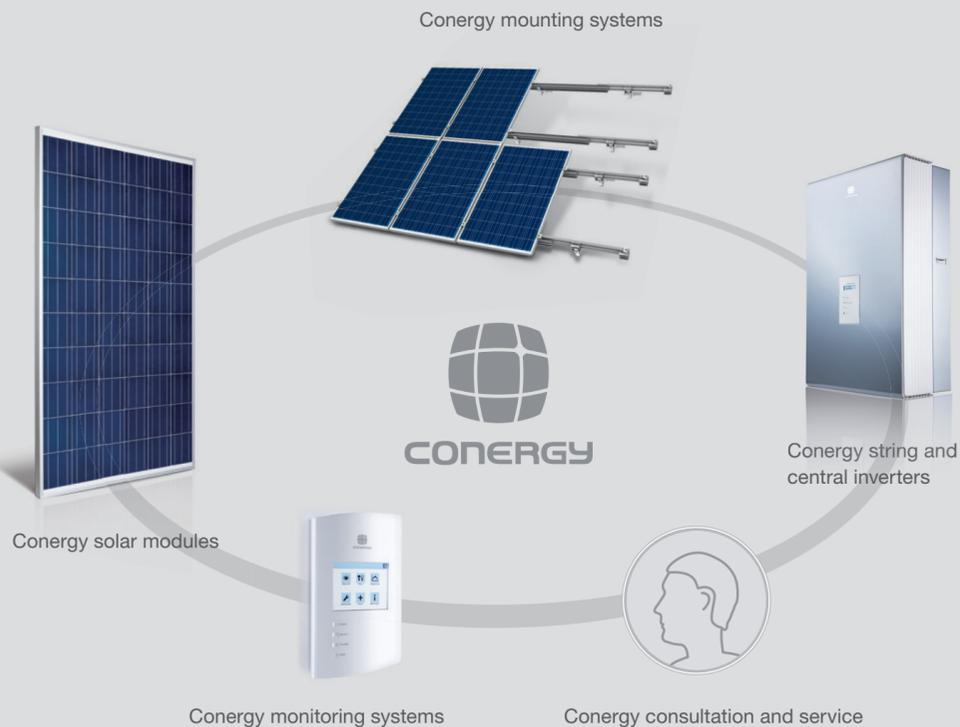
Our solar system: High-quality photovoltaic systems from Conergy.

Conergy is the only manufacturer of proprietary solar power system solutions worldwide.

Conergy manufactures high-quality photovoltaic solutions from a single source, which are produced to stringent quality standards.

Photovoltaic systems made by Conergy have already proven their worth thousands of times in practice and are used world-wide in the most diverse applications.

We invest this experience in the day-to-day development of our photovoltaic systems. All components in these systems are perfectly tuned to each other and therefore ensure increased reliability, long-term high yields, a maximum operating life and low maintenance requirements.



OUR WORLD IS FULL OF ENERGY.

Phone: 1300 Conergy (1300 266 374)
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Exclusive to Solar Harness



Conergy Complete Premium Solar Power System



When you purchase the Conergy Complete Premium Solar Power System you receive a 10 year warranty.



Subject to technical modifications without notice. 2011 ©Conergy

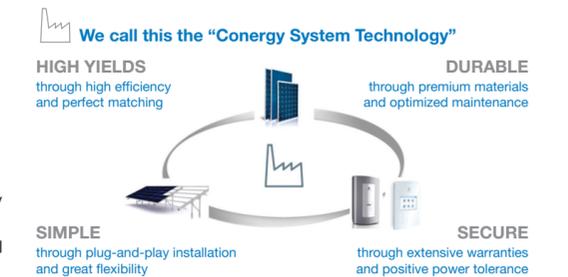
Conergy Complete Premium Solar Power System

Conergy Systems – All from one source.

Three become one: Conergy is getting serious as a system manufacturer. Conergy is the only solar company worldwide that produces all the necessary components for a solar installation inhouse: Thus, Conergy can match its system technology perfectly, optimise the interfaces between the individual components and reduce inefficiencies. The resulting high-performance systems are therefore all from a single source. They deliver higher yields and enable faster, simpler and more cost-effective assembly.

With the modules, inverters and mounting systems, the company creates the Conergy System Technology – and through that an efficient and synchronised solar system for private or commercial solar rooftop systems, as well as for Megawatt-Parks.

These three components form a Conergy solar system



Conergy PowerPlus. Our masterpiece – better than ever.

Conergy possesses expertise and knowledge that is unique to the industry. This is the product of many years of experience in development and manufacturing of solar power modules, inverters and mounting systems, as well as planning, implementation and management of photovoltaic systems all over the world. This expertise goes into every solar power system and every component that bears the Conergy name.

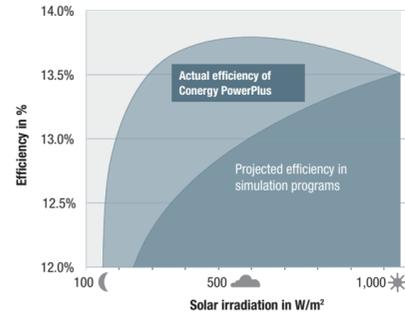
The same holds true of our Conergy PowerPlus solar power module – our masterpiece. Consistently high yields and long service life are the key to maximum economy.

Conergy PowerPlus premium quality engineered in Germany – a worthwhile investment.

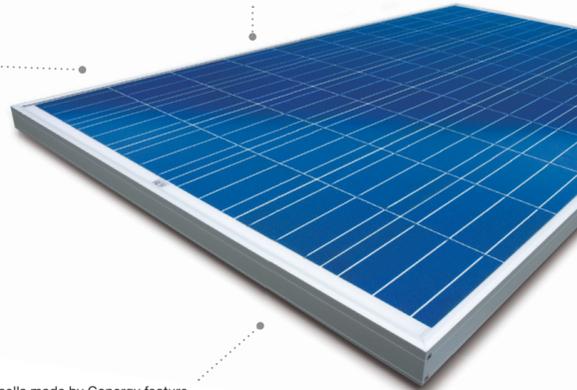
- | Consistently high yields in practical use
- | Superior quality for maximum durability and long life
- | Planning flexibility
- | Easy to install



Outstanding module efficiency over a range of sunlight conditions – illustrated using the example of the Conergy PowerPlus 220P solar power module



Yield optimiser: The structured solar glass provides high transparency and minimises reflection. The non-visible light is also effectively used. This ensures that the maximum amount of sunlight reaches the cells, thereby ensuring extremely high yield.



High performer: The highly-efficient 3 busbar cells made by Conergy feature an optimised cell design and innovative technology. The cells are carefully sorted for high module efficiency, since only cells that are optimally matched in terms of their performance data are assembled to produce a module.

Designed for long service life.

Conergy PowerPlus keep its promise.

EFFICIENT AND RELIABLE IN THE LONG TERM. THANKS TO HIGH MANUFACTURING QUALITY.

Conergy PowerPlus was designed with a special emphasis on achieving highest standards of quality and consistently high yields over many years. All components are carefully selected and attuned to one another. They are precision-manufactured in automated production processes which ensure that quality variance is avoided from the outset. Each stage in the production process is subject to continuous quality checks, which also eliminate hidden defects.



Stands up reliably to snow and wind pressure.



Moisture-resistant.



Chemical-resistant.



Resistant to frost and high temperatures.



Conergy IPG string inverters.

Power packs.

Extremely high-yield: A top efficiency level of 97.7 % produces a high-performance photovoltaic system.

Inverters are the nerve center of every photovoltaic system. They convert the direct current generated by the solar modules into alternating current and supply it for domestic electricity usage or to the public power grid. Conergy inverters are particularly impressive due to their high efficiency level and are therefore extremely cost effective. Conergy IPG S and IPG T inverters supply reliably high yields, are designed for a long service life, can be flexibly configured for various system layouts and are easy to install and maintain.

5 strengths for increased yield:

- | **Up to 97.7 % top efficiency level, up to 97 % European efficiency level provides an excellent yield**
- | **Split second MPP tracking: The inverter always runs at maximum capacity, thanks to quick reaction to changing weather conditions, e.g. clouds**
- | **Efficient cooling with PowerCool results in a consistently high output and ensures a long service life**
- | **Protection type IP65 underlines the high-quality workmanship and ensures reliable system operation – even in dusty environments**



IPG S – three device sizes: 3kW, 4kW and 5kW. For small to medium-sized systems.

IPG T – three device sizes: 8kW, 11kW and 15kW.

This is what the technical magazine PHOTON had to say about the Conergy IPG 5 S:

"As a very flexible, compact and light inverter with an excellent PHOTON efficiency level, [it is able to] score lots of points and place itself among the best devices that we have tested to date."

Source: PHOTON – Das Solarstrom-Magazin 8/2009



Extremely powerful: The single-phase Conergy IPG S series string inverters are ideal for small to medium-sized systems.

5 strengths for flexible planning and easy installation:

- | **An extraordinarily wide input voltage range** (up to 940V max. DC voltage) allows great flexibility for module connection
- | **Time and cost savings in installation:** systems with an output of up to 5kWp can be achieved with just one string. This reduces the cabling work (fewer parallel strings). In addition, a DC load disconnecter is already integrated in the device
- | **Approved for thin-film and crystalline modules:** enables more flexible system planning
- | **High protection type IP65 and innovative PowerCool cooling concept:** reliable operation even in demanding ambient conditions and temperatures between -20°C and +60°C
- | **Relatively low weight:** can be easily installed by just one person

Conergy VisionBox. The efficient monitoring system for photovoltaic systems. **Reliable.**



The Conergy VisionBox is a new type of monitoring system which efficiently and conveniently controls solar energy systems. Available as an accessory.

Conergy mounting systems. The ingenious solution

Conergy mounting systems: Secure, extremely durable and easy to install.

» **Patented base rails, splices, telescopic end pieces, Quickstone technology and pre-assembled components – we've made it easy for you; the only thing you need on the roof is your hexagon wrench.**

The correct mounting system secures the valuable solar modules in both the wind and the rain. And this has a direct influence on the longevity of the system.

More convenient installation. For systems that pay off.

Conergy mounting systems: maximum convenience for straight forward, secure and fast assembly. Largely pre-assembled and prefabricated frames, flexible systems and innovative details. All this facilitates work to reduce installation costs – for systems that pay off.

Both installers and system operators alike rely on tried and tested Conergy quality. As one of the leading suppliers of solar mounting systems, we know what we are talking about: Conergy SunTop III is one of the best-selling photovoltaic mounting systems worldwide.

More safety. For your safety.

Conergy mounting systems are secure and of particularly high-quality. Manufactured exclusively from aluminium and stainless steel, to meet the highest demands of longevity and stability. All of our frames are statically checked by our experts before delivery (DIN 1055) – a service provided by Conergy: maximum safety for installers.

At a glance – all of the advantages offered by Conergy mounting systems.

- High installation convenience:** For rapid and cost-effective installation.
- | Largely pre-assembled and prefabricated components
 - | SunTop III technology with telescopic end piece and splice
 - | Innovative patents: SunTop III base rail and Quickstone
 - | For virtually all module types
 - | For all conventional roof cladding and substrates
 - | Levelling of uneven profiles made easy
- Maximum safety:** Durability and reliability make Conergy mounting systems special.
- | Tested stability and statics in accordance with technical guidelines and standards
 - | High waterproofing for in-roof solutions
 - | Extensive support provided by the project team
 - | High-quality materials

Types of mounting systems

Conergy SunTop: Maximum safety and simple installation. Conergy SunTop III is the system of choice for mounting on pitched roofs. And it's quite simple: the system requires no trimming, it is installed quickly and is compatible with different module types.

Conergy SolarDelta: The specialist for framed solar modules. The Conergy SolarDelta system is also mounted directly on top of the existing roof battens, it requires no rails and is installed quickly and easily using Quickstone technology. Thanks to its substructure the Conergy SolarDelta fulfils the same requirements as a conventional roof in terms of waterproofing.

Conergy SolarLinea: We follow a consistent line. The Conergy SolarLinea doesn't need a foundation, but stands securely on driven piles. The mounting system has been specifically developed for laminates, but framed modules can also be accommodated.

